

GENERAL INTRODUCTION:

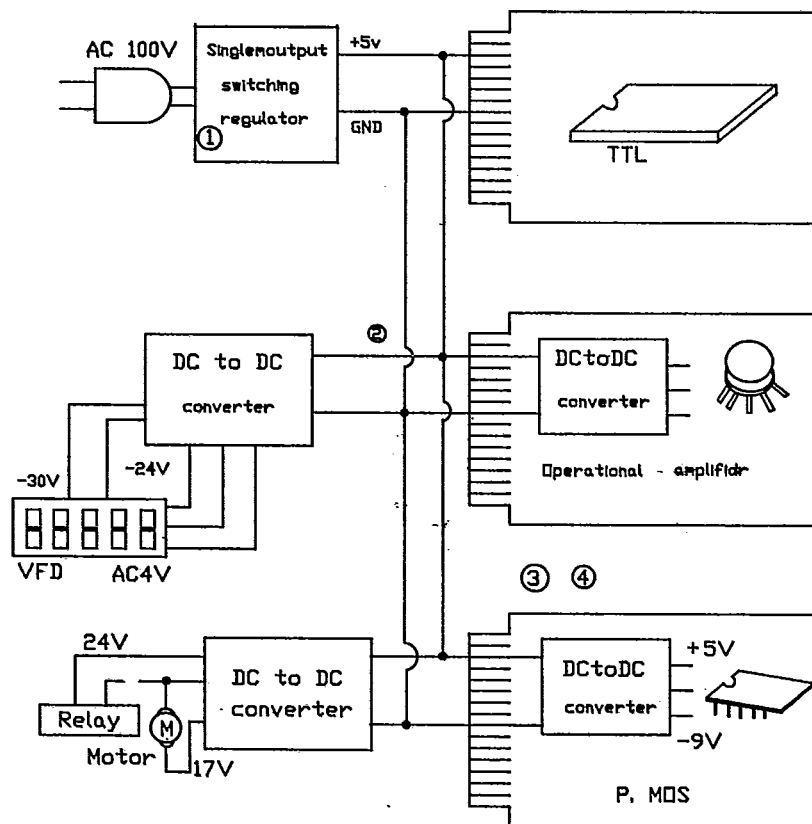
A DC-DC converter is designed to alter a DC voltage for more flexible application, to isolate the primary from external load and to eliminate ground-loop effects. The typical application is shown in Figure 1 wherein a single output is distributed to various loads through DC-DC converters hence produces following advantages:

1. The main power supply is highly simplified.
2. Wire connection is streamlined to prevent wiring error and to facilitate maintenance.
3. The interference between different circuits is minimized due to the independence of power sources.
4. The addition or modification of circuits become much easier.

FEATURES AND BENEFITS OF DELTA DC-DC CONVERTERS:

1. Input and output filters, including highly reliable tantalum capacitors to effectively reduce noise
2. Surface mounting technology to shrink size and enhance reliability
3. High isolation voltage up to 2000VDC
4. High reliability with MTBF over 900,000hrs
5. Wide selection of mechanical construction, including DIP package, board mounting types and metal case package that provides excellent shielding
6. All parts undergoes 100% burn-in and are tested both before and after burn-in

Figure 1. Typical application of DC-DC converters for equipments requiring multi-power supplies



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VOLTAGE

- PC-3